

From: "Fox, Mary" <FoxML@cdmsmith.com>  
To: "Campbell, Sean (Sidney)" <Sean.Campbell@sgs.com>  
CC: "Zhen, Davis" <Zhen.Davis@epa.gov>  
"Scott Coffey" <coffeyse@cdmsmith.com>  
ken.tyrrell@aecom.com  
younghs@cdmsmith.com  
"Vickstrom, Kyle E." <vickstromke@cdmsmith.com>  
"Grace, Richard (Toronto)" <Richard.Grace@sgs.com>  
Date: 8/30/2018 2:47:14 PM  
Subject: RE: EPA fish tissue splits for Portland Harbor

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Hello Sean,

Thanks for the info. I can't think of anything else we need right now. Thanks for letting us know (b) (6)

Mary Lou

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From: Campbell, Sean (Sidney) <Sean.Campbell@sgs.com>  
Sent: Thursday, August 30, 2018 2:45 PM  
To: Fox, Mary <FoxML@cdmsmith.com>  
Cc: Zhen, Davis <Zhen.Davis@epa.gov>; Coffey, Scott <CoffeySE@cdmsmith.com>; Tyrrell, Ken <ken.tyrrell@aecom.com>; Young, Howard S. <younghs@cdmsmith.com>; Vickstrom, Kyle E. <vickstromke@cdmsmith.com>; Grace, Richard (Toronto) <Richard.Grace@sgs.com>  
Subject: RE: EPA fish tissue splits for Portland Harbor

Hi Mary,

I just wanted to let you know (b) (6) I don't know that there is anything more to discuss at the moment but if anything does come up while I'm away Richard Grace, cc'd here can respond in my absence.

Sean

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From: Fox, Mary <FoxML@cdmsmith.com>  
Sent: Thursday, August 30, 2018 11:27 AM  
To: Campbell, Sean (Sidney) <Sean.Campbell@sgs.com>  
Cc: Zhen, Davis <Zhen.Davis@epa.gov>; Coffey, Scott <CoffeySE@cdmsmith.com>; Tyrrell, Ken <ken.tyrrell@aecom.com>; Young, Howard S. <younghs@cdmsmith.com>; Vickstrom, Kyle E. <vickstromke@cdmsmith.com>; Grace, Richard (Toronto) <Richard.Grace@sgs.com>  
Subject: RE: EPA fish tissue splits for Portland Harbor

Hi Sean,

Yes we would like pre-homogenization total masses for fish that are determined to be able to provide sufficient mass for AECOM's analyses and then a split after that. Regarding IDs, for the fish tissue samples, would section 4.2.1.5 of the QAPP not apply for these samples as they are fish tissue samples.? If so, I believe it is the "SMBXXX" portion of the IDs that convey the location from which they were collected. Thanks for the additional information regarding the schedule.

Thanks,

Mary Lou

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From: Campbell, Sean (Sidney) <[Sean.Campbell@sgs.com](mailto:Sean.Campbell@sgs.com)>  
Sent: Thursday, August 30, 2018 10:29 AM  
To: Fox, Mary <[FoxML@cdmsmith.com](mailto:FoxML@cdmsmith.com)>  
Cc: Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>; Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>; Tyrrell, Ken <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>; Young, Howard S. <[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>; Vickstrom, Kyle E. <[vickstromke@cdmsmith.com](mailto:vickstromke@cdmsmith.com)>; Grace, Richard (Toronto) <[Richard.Grace@sgs.com](mailto:Richard.Grace@sgs.com)>  
Subject: RE: EPA fish tissue splits for Portland Harbor

Mary,

I can provide you IDs and masses, I'm assuming you need pre-homogenization masses. Is that correct?

I don't know if the IDs include location, as per the QAPP section [4.2.1.7](#) the samples are "identified using the following nomenclature: a three-letter project identification code, a tagged fish sample matrix code, and the acoustic tag number". We may need some input from AECOM to correlate location with sample ID.

We are beginning to process samples, I expect homogenization of all samples to be completed by the end of September. I will have a better idea of how much sample we have to work with over the next couple of weeks. To cover all of the required elements we will need samples in the 150g range pre-homogenization. That assumes an approximate 30% loss during homogenization, 55g of homogenized tissue for the split, 20g of homogeneous tissue for SGS AXYS, and 5g of homogenized tissue for ALS Kelso.

So you are aware, in order to meet our data delivery deadline we will have to take our sub-sample before homogenization of all samples is complete.

Sean

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From: Fox, Mary <[FoxML@cdmsmith.com](mailto:FoxML@cdmsmith.com)>  
Sent: Thursday, August 30, 2018 8:37 AM  
To: Campbell, Sean (Sidney) <[Sean.Campbell@sgs.com](mailto:Sean.Campbell@sgs.com)>  
Cc: Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>; Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>; Tyrrell, Ken <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>; Young, Howard S. <[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>; Vickstrom, Kyle E. <[vickstromke@cdmsmith.com](mailto:vickstromke@cdmsmith.com)>; Grace, Richard (Toronto) <[Richard.Grace@sgs.com](mailto:Richard.Grace@sgs.com)>  
Subject: EPA fish tissue splits for Portland Harbor

Hello,

For fish tissue splits, to do all analyses for which we planned splits we would need a total mass of 55 grams, which would be broken down as follows for the following analyses:

PCB congeners – 15 grams  
PCDD/PCDF – 15 grams  
Metals (including Hg) – 10 grams  
cPAHs – 15 grams

Each analysis mass would be in its own small jar.

We need to know which fish (IDs that would include location) and corresponding total mass of fish that will have sufficient mass that the Pre-RD Group's suite of analyses can be run and there is sufficient mass for the split analyses. From this list of fish, assuming there are more than 7 fish on the list, we will select the fish we would want splits from. We want, to the extent we will be able, to select fish that cover the site spatially and vary in size.

Thanks for your help with this,

Mary Lou

Mary Lou Fox

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